

API WELDING PROCEDURE SPECIFICATION

WPS:	API 100	0-8	REV. NO.:	0	PROCESS:	SMAW	DATE:	9/9/2004		
Diamet	om 2.27	75" and the	AP 1 12.75" o.d. to a		JALIFIED RANGE		ın 1			
Diamet	-				Filler Metal Gro		ıp ı			
-			7" to 0.187" thru		Joint Type:	Branch / Fillet				
Materia	al: Yie.	d less than	or equal to 42,0							
Position NOTE:					N/A P the applicable se	rogression: $\frac{Do}{ctions}$ of the Los		onal		
			ng Standards N							
WELD	JOINT:	Type:	Branch / Fille	et	C	lass: Full Pene	etration	_		
Joint Description: Open Butt single V/Branch Tee welded from one side only.										
Sketch Number: See pg. 2 for typical sketch and bead sequence.										
FILLE	R MATEI	RIALS:	API Group	No.: 1		AWS Class:	E-6010			
SFA CI	lass: 5.1	L	F No.:	3			1/8			
Numbe	r of Beads	s: See pg	2. 2 for typical n	umber and	bead sequence		·			
BASE N	MATERIA	ALS:	Spec: ASTN	I A-53 or A	A-106 A/B to	Spec: AST	M A-53 or A-	106 A/B		
Thickne	ess Welde	d: 0.1	45" thru 0.186"		to	0.187" thru 0.	750"			
Pipe Di	ameter:	2.375"	o.d. thru 12.75'	o.d	to Pipe Dia	meter All				
ASME	P No.:	1	Group:	1	to P No.	: 1	Group:	1		
POSIT	IONS:	Fixed:	X Rolled	d: N/A	PWHT: T	ime @ º F Temp	.: N/A			
Progres	ssion: I	Down	<u> </u>		Temperatur	e Range ° F:	N/A			
PREHE	EAT:	Minimun	n Temp ° F:	200	GAS:	Shielding: N/A	A Backing	: N/A		
NOTE:	See time	between pa	sses.		Composition	n: N/A				
INTER	PASS TE	MP.: 200 -	– 600 ° F		Flow Rate:	CFH	N/A			
ELECT	TRICAL (CHARACT	TERISTICS:							
Curren	t: DC	·	Polarity:	EP	Ran	nges Amps: _	See pg. 2			
Transfe	er Mode:	N/A	WFS	S/IPM:	N/A	Volts:	See pg. 2			
Electro	de size an	d Type	See pg. 2		Travel	/IPM See pg.	2			
MAX.	TIME BE	TWEEN P	PASSES: 5 m	nutes betw	veen passes or ma	intain strict prehe	at temperature			

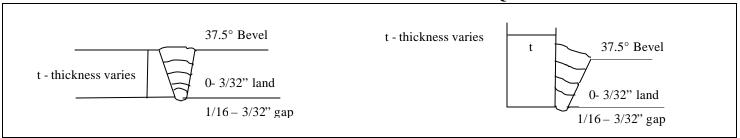
WPS No.:	API-1000-8		Rev. No.:	0	_ Date:	9/9/2004			
WELDING TECH	NIQUE:								
Line-Up Clamp: _	None Fit	-up on this jo	oint is critical	to successful	welds.				
Stringer or Weave	Bead: (S)) <u>Y</u>	(W)	Y	Single Pass	N/A	Multi Pass	Y	

PROCEDURE QUALIFIED FOR: Charpy V Notch N/A NDTT N/A D.T. N/A

Cleaning and/or Grinding: Stiff wire brush or power grinder. Grind tacks & stringer bead to a smooth contour.

Maximum K/J Heat Input: N/A

JOINT SKETCH AND BEAD NUMBER AND SEQUENCE



NOTE: Weld layers are representative only $\frac{3}{4}$ actual number of passes and layer sequence may vary due to variation in joint design, thickness and fit-up.

TYPICAL WELDING PARAMETERS

Pass	Filler/ Electrode				Travel Speed	
Number		Size	Amps	Volts	in/min	Other
1	E-6010	3/32	55-70	22-26	4-9	
2	E-6010	3/32	55-80	22-26	4-9	
3	E-6010	1/8	60-90	22-26	5-10	
4						
5						
6						
7						
8						

PREPARED BY: Kelly Bingham DATE: 9/9/2004

Signature on File

APPROVED BY: Tobin Oruch **DATE:** 9/9/2004

Signature on File

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API WELDING SPECIFICATION PROCEDURE TEST PARAMETERS

Point '	Туре:	Full P	enetration	Branch		Dia	meter:	2.3/5 o.d. to	6.625 o.d.	
Thickness: 0.		0.154	" wall to 0.2	280" wall		Filler:		3/32 & 1/8	E-6010 (6P+)	
Material: A		ASTN	ASTM A-106 gr B				heat:	250 °F		
Positio	m•	5G Fi					rrent:	DCEP	Amps: 55-70	
1 OSIG	/11•	3011	Acu			current.		БСП	1 1111193. 33 70	
Progre	ession:	Down	l			Volts:		22-26		
				GUII	DED BI	END	TESTS	S.		
No.	Type		Result			Type		Result		
1.					5.		N/A			
2.					6.		N/A			
3.					7.		N/A			
4.					8.		N/A			
				T	ENSILI	c Te	TCTC			
No.	Specia	men	Area	Applied		timat		Character of failure and location		
	Type		Sq./ in Load			Tensile				
1.	N/A									
2.	N/A									
3.	N/A									
4.	N/A									
				NIC	K-BRE	A TZ	трете			
No.	Tyl	pe		NIC				Nick-Break tests		
1.	Figure	11	Acc. One minor pore							
2.	Figure	11	Acc. Break is clean, partial in HAZ							
3.	Figure	11	Acc. Break is clean, partial in HAZ & Base metal							
4.	Figure	11								
	Welders Name: William McIntosh Tests Conducted By: Merel Johnson Z No.: 86261 Stamp: PF009									
API-11	04.				rect and	l tha	t the tes		ed in accordance with	
Author	ızed By	: Kelly	Bingham			_		Date: 09/30/92	2	